

Integral systems

16.44

tions to polylocal integro-differential systems are briefly discussed. New methods are proposed for the solution of linear and nonlinear systems of the

Form

$$T_j[y] = \sum_{i=0}^{n-1} [a_{ij}y^{(i)}(a) + b_{ij}y^{(i)}(b)] - \sum_{k=1}^m \sum_{i=0}^{n-1} \sigma_{ik} y^{(i)}(x_k) = 0$$

(j = 1, 2, ..., n).

$$L(u, v) = f(x) + \lambda \int_0^1 K(x, t) v(t) dt$$

where $f(x, y(t))$ is a non linear function of x and $y(t)$.

7. The Attention of investigators is directed to the fact that the above information is not to be used for any purpose other than that for which it was furnished.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1954. 1. 18

Card 21.

SOURCE CODE: RU/0019/66/011/002

L 22072-66 IJP(c)
ACC NR: AP6008027

AUTHOR: Mangeron, D.; Krivoshein, L. E.
ORG: [Mangeron] Jassy Polytechnic Institute

TITLE: New methods of numerical calculation of the solution of various integro-differential systems presenting interest in applied mechanics. III. Boundary problems for integrodifferential equations with caloric operators and retarded argument

SOURCE: Revue roumaine des sciences techniques. Serie de mecanique appliquee, v. 11, no. 1, 1966, 3-22

TOPIC TAGS: integrodifferential equation, linear integral equation, nonlinear integral equation, perturbation theory, operator equation, integral function, double integral

ABSTRACT: The paper, the third part of a series of studies devoted to the numerical calculation of the solutions of various integrodifferential systems presenting interest in applied mechanics (D. Mangeron, L. E. Krivoshein, New methods of numerical computation for the solutions of various integro-differential systems. I. Polyvibrating integro-differential systems. Rev. Roum. Sci. Techn. Méc. Appl., 1964, 9, 6, 1195-1221), (New methods of numerical computation of the solutions of

UDC: 518:621.01

Card 1/2

L
AC. NR: AP6008027
"APPROVED FOR RELEASE: 06/14/2000

various integro-differential systems presenting interest in applied mechanics. II. Polylocal ordinary integro-differential systems. Rev. Roum. Sci. Techn. - Méc. Appl., 1965, 10, 1, 3-34), presents problems pertaining to linear and nonlinear integrodifferential equations with parabolic (caloric) operators containing double integrals and terms with retarded argument. The conditions ensuring the existence, uniqueness, and stability (with respect to small perturbations of the known coefficients) of the solutions of the considered systems are examined and evaluations of the moduli of the solutions of such systems are given. Subsequent studies will present results pertaining to new problems of functional systems with polycaloric operators introduced in the mathematical literature by Miron Nicolescu (Miron Nicolescu, Asupra unor proprietati caracteristice de medie ale functiilor policalorice. Com. Acad. R. P. R., 1954, 4, 11-12, 552-554). The results presented are based on authors' papers (Nuovi problemi concernenti sistemi funzionali con operatori iterati. I. Problemi al contorno per le equazioni integro-differenziali con operatori caloricici ed argomenti ritardati. Accademia Nazionale dei Lincei. Rend., Cl. sci. fis., mat. e nat., 1965, 38, 8, p. 614-620) and (Quelques théorèmes concernant les systèmes intégraux différentiels caloriques à rémanence. Bull. Acad. Sci. Belgique (in print)). Orig. art. has: 64 formulas. [Based on author's abstract.]

SUB CODE: 12/
SOV REF: 008/

SUBM DATE: 31Aug65/ ORIG REF: 021/ OTH REF: 015/

Card 2/2

ACC NR: AR6035019 SOURCE CODE: UR/0044/66/000/008/B061/B061

AUTHOR: Krivoshein, L. Ye.

TITLE: Solution of the boundary-value problem for one class of integrodifferential equations

SOURCE: Ref. zh. Matematika, Abs. 8B290

REF SOURCE: Sb. Materialy XIII Nauchn. konferentsii prof. -prepodavat. sostava Fiz.-matem. fak. Kirg. un-t. Sekts. matem., Frunze, 1965, 53-56

TOPIC TAGS: boundary value problem, integrodifferential equation, Volterra equation, continuous function

ABSTRACT: A method of approximate solution of the boundary-value problem is suggested for a Volterra-type ordinary linear integrodifferential equation:

$$y^{(n)}(x) + \sum_{i=1}^n a_i(x) y^{(n-i)}(x) = -f(x) + \int_a^x \sum_{i=1}^m K_i(x, t) y^{(i)}(t) dt,$$

$$R_k(y) = \sum_{i=0}^{n-1} a_{ik} y^{(i)}(b) + b_{ik} y^{(i)}(c) = \gamma_k, \quad k=1, 2, \dots, n,$$

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UDC: 517.948:34

ACC NR: AR6035019

where $a_1(x)$, $f(x)$, and $K_f(x, t)$ are continuous functions, $m < n-1$. It is assumed that there is a unique solution. The method is based on the idea that the field determining domain of the solution divided into sections for which the integro-differential equations are formed. The approximate solution is obtained by the method of successive elimination of coefficients and by identification of solutions of these differential equations. The error in the approximate solution is estimated. Yu. Lando [Translation of abstract] [DW]

SUB CODE: 12/

Card 2/2

ACC NR: AR6035561 SOURCE CODE: UR/0044/66/000/009/B070/B070

AUTHOR: Krivoshein, L. Ye.; Barataliyev, K. B.

TITLE: Approximate solution of two-dimensional nonlinear integro-differential equations with a deviating argument

SOURCE: Ref. zh. Matematika, Abs. 9B357

REF SOURCE: Sb. Materialy XIII Nauchn. konferentsii prof. -prepodavat. sostava Fiz. -matem. fak. Kirg. un-t. Sekts. matem. Frunze, 1965, 50-53

TOPIC TAGS: approximate solution, integrodifferential equation, nonlinear integrodifferential equation

ABSTRACT: The application of the method of averaging of functional corrections for an approximate solution of nonlinear integro-differential equation

$$u(t, x) = f(t, x) + \int_0^T ds \int_a^b G(t, x, s, \xi) P'(s, \xi, u(\varphi_0(s), \xi), \dots, u(\varphi_p(s), \xi), u'_\xi(\varphi_0(s), \xi), \dots, u'_\xi(\varphi_p(s), \xi)) d\xi,$$

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UDC: 517.948.34:518

ACC NR: AR6035561

where $\varphi_0(t) = t, \varphi_l(t) < t$ at $l = 1, 2, \dots, p$ and the function $u(t, x)$ is known if $t \leq t_0$, is investigated. Under some additional assumptions, the convergence of the method is proved. I. Daugavet. [Translation of abstract] [DW]

SUB CODE: 12/

Card 2/2

L-06776-67-----FWR(1)

ACC NR: AP6025077

SOURCE CODE: UR/0115/66/000/006/0058/0062

AUTHOR: Krivoshein, M. I.

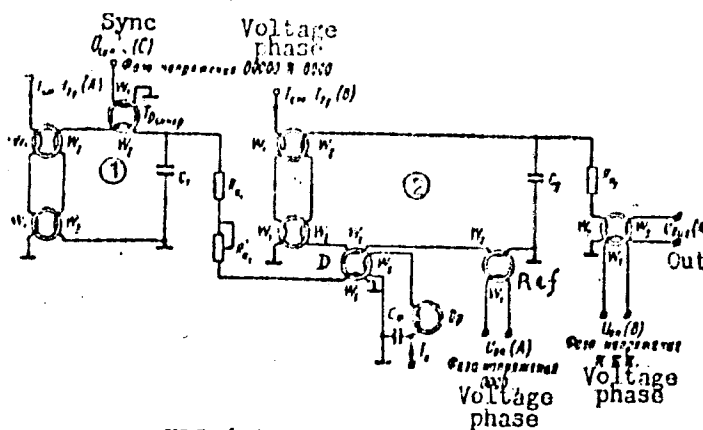
ORG: none

TITLE: Accuracy of parametron-type current-monitoring device

SOURCE: Izmeritel'naya tekhnika, no. 6, 1966, 58-62

TOPIC TAGS: current monitor, automatic control system

ABSTRACT: A device is described which monitors the current value in a circuit and determines whether or not that value is within a specified tolerance limit. Essentially, the device consists (see figure) of a program-address parametron 1 and a measuring phase-sensitive parametron-amplifier 2; D - current transducer, "Ref" - reference transformer, "Out" - output



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UDC:621.317.71.088.3

ACC NR: AP6025077

transformer. Parametron 1 is synchronized by a special programming device with a phase-0 or phase- π voltage. Parametron 2 is synchronized by a reference voltage combined with the output of D. Parametron 1 is interrogated by reversing the sync-voltage phase; if the monitored current is beyond the tolerance, parametron 2 will develop phase- π voltage; otherwise it produces phase-0 voltage. A formula is deduced for the relative error of determining the permissible current value. As a result of an analysis of this formula, stability requirements of various components are formulated. It is found that: (1) Power-supply sources must be stabilized within 5%; (2) The monitoring-device error is 10--12% at temperatures within -40 +50C; (3) The measuring error amounts to 3% when the phase difference between D and "Ref" is over 10%. Thus, the above monitoring device is applicable when no high accuracy is required. Orig. art. has: 5 figures and 23 formulas.

SUB CODE: 13, 09 / SUBM DATE: none / ORIG REF: 003

Card 2/2 *l.v.*

KRIVOSHEIN, M.

Vertical drive of dusters. Muk.-elev.prom. 22 no.4:28 Ap '56.
(MLBA 9:8)

1. Odesskiy trest Glavmuki.
(Grain-milling machinery)

KRIVOSHEIN, M.S. [Kryvasheyn, M.S.]

Theory and design of drum-type forming machines. Vests: AN
BSSR. Ser. fiz.-tekhn. nav. no.1:69-81 '59. (MIRA 12:6)
(Peat machinery)

KRIVOSHEYN, M.S. [Kryvasheyn, M.S.]

Screw press for processing and forming granulated peat.

Vestsi AN BSSR. Ser. fiz.-tekhn. no.3:64-73 '59.

(MIRA 13:3)

(Peat machinery)

KRIVOSHEIN, M.S.; OPEYKO, F.A.; LOPOTKO, M.Z.

New method of winning granulated peat by deep excavation of the
peat deposit. Trudy inst. torf. AN BSSR 8:77-84 '59.

(MIRA 13:12)

(Peat industry—Equipment and supplies)

KRIVOSHEIN, M.S.; OPEYKO, F.A.

Preparation of granular peat by extruding it through holes.
Trudy inst. torf. AN BSSR 8:94-102 '59. (MIRA 13:12)
(Peat)

LOPOTKO, M.Z.; NAGORSKIY, I.S.; KRIVOSHEIN, M.S.; OPEKHO, F.A.; ZHUK, Ye.A.

Preliminary testing of the MKT-3 rotor screw machine for winning
small-size machine peat. Truiy Inst. torf. AN BSSR 9:119-131 '60.
(MIRA 14:2)

(Peat machinery)

KRIVOSHEIN, M.S.; OPEIKO, F.A.; LOPOTKO, M.Z.

Results of the investigations of a disk shredder and of perforated
screw press. Trudy Inst. torf. AN BSSR 9:132-137 '60.

(MIRA 14:2)

(Peat machinery)

LOPOTKO, M.Z., kand.tekhn.nauk; MASLOBSKIY, I.S., kand.tekhn.nauk; KALIVOSHEIN,
M.S., kand.tekhn.nauk; ZHUK, Yo.A., kand.tekhn.nauk; OPELYKO, P.A.,
doktor tekhn.nauk

Lump peat winning machine. Torf.prom. 38 no.1:11-12 '61.

(MIRA 14:2)

1. Institut torfa AN BSSR.
(Peat machinery)

POTOTSKIY, Vasilii Borisovich; KRIVOSHEIN, N.G., prof., otv. red.
ZHUKOVA, N.D., red.

[Principles of the theory and design of hydraulic percus-
sion drilling machines with pulsating-pressing action] Os-
novy teorii i proektirovaniia gidroudarnykh burovykh ma-
shin pul'satsionno-pressovogo deistviia. Alma-Ata, Izd-vo
AN Kaz.SSR, 1964. 68 p. (MIRA 17:4)

SUNTSOV, A.G.; KRIVOSHEIN, N.N.

Report on the activity of the Chelyabinsk Scientific Medical
Society of Roentgenologists and Radiologists for 1953. Vest.
rent. 1 rad. no.6:90 N-D '54. (MLRA 8:1)
(CHELYABINSK--RADIOGRAPHY--SOCIETIES)

K. KRIVOSHEIN, S.S.
BELYAYEV, A.M.; IOFFE, E.I.; PERVOZVANSKIY, A.I.; NAVASARDYAN, Y.N.;
BLIOKH, S.S.; REVAZASHVILI, B.I.; PROTOPOPOV, M.M.; RAKHMATULLIN,
K.Kh.; SEMENOV, V.I.; *KRIVOSHEIN, S.S.*; SHVETSOV, A.P.; MAKAROV, M.F.;
OTROZHDENNOV, A.I.; ZHUKOV, D.D.; BELYAYEV, A.M.

Speeches. Trudy Mekhanobr. no.93:122-173 '56. (MIRA 11:6)
(Ore dressing--Equipment and supplies) (Waste products)

BYULOV, A.; KRIVOSHEIN, V.

It so happens that.... IUn. nat. no.1:26-27 Ja '62. (MIRA 15:1)
(Yucca) (Spiders) (Frogs)

KRIVOSHEIN, V.

Fishes unknown to man. IUn.nat. no.3:32 Mr '62. (MIRA 15:4)
(Fishes--Collection and preservation)

KRIVOSHEIN, V.

"Living fossils." IUn.nat. no.3:24 Mr '63.
(Living fossils)

(MIRA 16:4)

KRIVOSHEIN, V.

Trees are dyed standing. IUn. nat. no.10:37 0 '62.
(Transcarpathia--Beech) (MIRA 15:11)
(Color of wood)

KRIVOSHEIN, V.

What do you know about them? IUn,nat. no.1:34 Ja '63.

(Animals)

(MIRA 16:1)

KRIVOSHEIN, V. F.

KRIVOSHEIN, V. F. -- "A Method of Stage Lapping of an Axial Compressor." Min Heavy Machine Building USSR. Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Sciences).

So: Knizhnaya letopis', No 8, 1956, pp 97-103

KRIVOSHEIN, V.F.

GOFLIN, A.P., kandidat tekhnicheskikh nauk; KRIVOSHEIN, V.F., kandidat tekhnicheskikh nauk.

Comparison of experimental and calculated characteristics of actual axial-flow compressors. *Energomashinostroenie* no.12:12-15 D '56.
(Air compressors)

AUTHOR: Krivosheyn, V.F. Cand.Tech.Sci. SOV/96-58-6-8/24

TITLE: A method of adjusting the stages of an axial compressor (Metod dovodki stupeni oseвого kompressora)

PERIODICAL: Teploenergetika, 1958, No.6. pp. 43-49 (USSR)

ABSTRACT: If the actual performance of an axial compressor does not correspond to the design requirements, adjustments must be made to the blade angles or the number of blades to secure the best performance. The objects are to ensure that the flow, head and efficiency, and also the outlet velocity and pressure fields of the stage correspond to the design values; and to achieve a stable range of operation and suitable characteristic curves. The method of adjustment is based on securing compatibility of the sets of blading by re-arranging the blading angles or the number of blades, or by radial displacement of the blades. This article describes the technique and considers the effects upon the compressor characteristics; the geometrical parameters of the blading are assumed to be altered only slightly, the profile being usually undisturbed. The various terms used are defined and dimensionless equations are given for the main characteristics of the compressor. Approximate formulae are written for the effect on these characteristics of turning the blades slightly, with separate equations for the fixed and rotating blading. Finally, approximate integral expressions are derived for the main characteristics, such as efficiency and head. The procedure of adjustment is described and

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A method of adjusting the stages of an axial compressor. *SU/96-58-6-8/24*

requires that a model of the stage be tested to determine the agreement between design and practice. Measurements are made of the fields of velocity and pressure beyond the intermediate guide vanes. If the agreement is not good enough, the stage is adjusted. With the initial blade angles and rated peripheral speed, determinations are made of the dynamic characteristics of several elementary stages, including those near the blade roots and tips (see figs.1 - 4). Lines of constant flow are plotted on the curves and the working point is determined. It can then be found which of the elementary stages is not working under the best conditions and the method of adjusting the blading can be considered. The blades are turned to adjust the flow or angle of impingement, the necessary angles being determined from formulae derived in the article. From the characteristics of the stages - elementary, initial and modified - curves are drawn of the efficiency and head for several rates of flow, as shown in figs. 5 - 6. Then the overall efficiency and head characteristics are determined. In this way the changes in the characteristics caused by turning the blades are evaluated. The final selection of blade angles is made by observing the dynamic characteristics of the elementary stages resulting from angles of installation around the designed value. Working points are marked on these curves and the best positions chosen. A stage

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with the new arrangement is then made up and tested. Experience in the Central Boiler Turbine Institute has shown that when angular adjustments are of the order of $2 - 4^\circ$, the pressure difference between blade root and tip can be made 8 - 12%. If adjustment of blade angles does not sufficiently reduce the non-uniformity of the fields of velocity and pressure at outlet, then the number of blades is altered. Detailed information is then given about the adjustment of one stage variant developed for a low - and medium - pressure axial compressor of a 12-MW gas-turbine installation of the Leningrad Metal Works. The adjustments were made on a model 200 mm diameter. The design and test data on the stage before and after adjustment are tabulated. The dynamic characteristics of four elementary stages, given in figs. 1 - 4, were determined by measurements at inlet to and outlet from the runner during tests on the model of the initial and adjusted stages; calculated characteristics are included. Incompatibility between the blades in the initial stage is seen in figs. 5 and 6, which are plotted from the dynamic characteristics. The considerations that lead to the modification of the blading are given, and graphs of the changes in the blade angles in the guide vane and runner are shown. The first adjustment gave the required values of head and efficiency, and the non-uniformity of pressure was reduced from 23 to 16%. A second adjustment was made by reducing the number

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of blades in the runner by 12%, and limited the non-uniformity of pressure to 10% without appreciable effect on the head or efficiency. The results of the changes are illustrated graphically in figs. 5 and 6. The finally modified stage was used by the Leningrad Metal Works as the basis for the design of the low - and medium - pressure axial compressors of a 12-MW gas-turbine set. The final agreement between design and test figures was good. There is 1 table, 8 figures and no literature references.

ASSOCIATION: Central Boiler Turbine Institute. (Tsentral'nyy kotloturbinnyy institut)

1. Axial flow compressors--Performance
2. Axial flow compressor blades
- Test methods
3. Axial flow compressor blades--Analysis

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SOV/36-59-7-8/26

AUTHOR: Krivoshein, V.F., Candidate of Technical Science

TITLE: The Influence of Blade Installation Angle on the Characteristics of an Elementary Stage of an Axial Compressor. (Vliyaniye povorota profilya v reshethakh elementarnoy stupeni oseвого kompressora na yeye kharakteristiki)

PERIODICAL: Teploenergetika, 1959, Nr 7, pp 32-36 (USSR)

ABSTRACT: In designing axial compressors or making tests on models, it is not unusual to alter the angle of installation of the blades in order to improve the stage characteristics. The procedure is also used in the design of multi-stage axial compressors and in the adjustment of compressors to improve particular characteristics. This article describes a method of evaluating approximately the change in stage characteristics when the blades are so turned. Figure 1 is a diagram of stage blading. Figure 2 shows dimensionless velocity triangles for an elementary stage considered as lying between two cylindrical sections of radius r and $r + \Delta r$. It is assumed that the flow is

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axially symmetrical, cylindrical and uniform. The relationships between the main parameters of the axial compressor stage and the elements of the velocity triangles are given by equations (1) to (6). These formulae may be used to determine the main characteristics of an elementary stage from model test results. In calculating the effect of small changes in the blade installation angle it is assumed that: a given change in the angle causes a similar change in the angles of flow; changes in one of the angles of flow does not affect the others; and the ratio of axial velocities at the inlet to and outlet from the blading, and the profile losses, remain constant. Several of the initial equations are then differentiated with respect to blade installation angle, to derive a further series of equations. From examination of these equations, it is concluded that if the angle of installation of the runner blading is increased, then the flow and the head increase and the reaction diminish. Decreasing the angle of installation of the guide vanes has the same

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The Influence of Blade Installation Angle on the Characteristics of an Elementary Stage of an Axial Compressor

effect as increasing that of the runner blades. Altering the angles of installation of the guide vanes and of the runner blades influences various properties of the stage as function of reaction: a comparative evaluation is made of these effects. The results of tests made in the Central Boiler-Turbine Institute on a model stage type K-2S, first with the blades installed at the designed angle and then rotated through two degrees, are plotted in Figures 3, 4 and 5. The main characteristics of the stage are given. It will be seen that the agreement between theory and test results is good. Similarly in Figure 6 the characteristics of a mean elementary stage calculated by equation (14) are compared with test results and agreement is good. The derived formulae may also be used to evaluate the changes in the characteristics of a whole stage when blades in individual rows are turned. In this case the calculation is made for an elementary stage located in the middle of the blading. Characteristics of a stage type K-2S calculated by formulae (9) to (11) are compared with test results in Figure 7. Changes in the

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SOV/96-59-7-8/26

The Influence of Blade Installation Angle on the Characteristics of an Elementary Stage of an Axial Compressor

efficiency and head coefficients of various stages of an axial compressor when the blades are turned are plotted in Figure 8; the characteristics of the different stages are given. The Central Boiler-Turbine Institute has found satisfactory agreement between theory and test when blade installation angles are altered by up to 3 degrees. Further work is expected to reveal the field of practical application of the formulae given in the article. There are 8 figures and 1 Soviet reference.

ASSOCIATION: Tsentrallyy kotloturbinnyy Institut (Central Boiler-Turbine Institute)

Card 4/4

UGLITSKIY, V.I.; SOMIN, V.I.; KRIVOSHEIN, V.S.

Cars for technical propaganda at construction sites. Transp.
stroil. 13 no.10:8-9 0 '63. (MIRA 17:8)

1. Nachal'nik Barnaul'skoy nauchno-issledovatel'skoy stantsii
Orgtransstroya (for Uglitskiy). 2. Nachal'nik Tashkentskoy
nauchno-issledovatel'skoy stantsii Orgtransstroya (for Krivoshein).

ZALUKAYEV, L.P.; KRIVOSHEIN, V.V.; KHARINA, G.A.

Interaction of 2-aryl-1,3-indandiones with p-benzoquinone.
Zhur. ob. khim. 34 no.7:2478-2479 J1 '64 (MIRA 17:8)

1. Voronezhskiy gosudarstvennyy universitet.

KRIVOSHEIN, Ye.M., inzhener.

The new-model Pollak-5065 machine. Lit.proizv. no.6:13-14 Je '56.
(MLRA 9:8)

(Foundry machinery and supplies)

KRIVOSHEIN, Yevgeniy Matveyevich; SUKMANOV, V.F., red.; NEUDAKINA,
N.G., tekhn.red.

[Advanced technology and increase of the profitability of
machinery plants] Progressivnaya tekhnologiya i povyshenie
rentabel'nosti mashinostroitel'nogo zavoda; na opyte zavoda
im. F.E.Dzerzhinskogo. Perm', Permskoe knizhnoe izd-vo, 1959.
51 p. (MIRA 13:2)

(Industrial management)

18(5)

SOV/128-59-3-28/31

AUTHOR: Kriyosheina, Y.M., Engineer

TITLE: Production of Engine Cylinders by Pressure Die Casting

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 3, p 47, (USSR)

ABSTRACT: At present engine cylinders for motorcycles, motor scooters, motor bicycles and motor boats are produced in a mechanical process from cast iron or steel. The Plant "Dzerzhinskiy" has started the production of engine cylinders from the aluminum alloy "Al₂" by pressure die casting on the die casting machine "Pollak 900". In this manner the technical operation have been reduced from 52 down to 15. The production costs have been cut five- to sixfold. The running surface of the cylinder has been chromium plated. There is 1 photograph

Card 1/1

PERKIN, H.C.; KRIVONOSIN, Y.M.

Antigenic differences between the tumorous and homologous normal tissues detected by means of normal tissue antibodies. Biol. eksp. biol. i med. 59 no.6:81-86 1975. (NIEA 18:6)

1. laboratoriya immunitologii i onkologii (avt. - prof. I.N. Mayakiy) Institut eksperimental'noy biologii i med. - prof. I.N. Mayakiy) AMN SSSR, Moskva.

LEVIN, M.S.; KRYVOSHEN, Yu.N.

Some immunobiological peculiarities of the growth and metastasizing of induced tumors and their first passages. Neoplasma (Pratisl.) 12 no.5:495-508 '65.

1. Institute of Experimental Biology of the USSR Academy of Medical Sciences, Moscow, USSR. Submitted December 14, 1964.

LOMAKIN, M.S.; KRIVOSHEIN, Yu.S.

Metastasization of rat carcinoma "RA." Biul. eksp. biol. i med. 60
no.11:76-79 N '65. (MIRA 19:1)

1. laboratoriya immunologii rosta i razvitiya (zav. - prof. I.N.
Mayskiy) Instituta eksperimental'noy biologii (direktor - prof.
I.N. Mayskiy) AMN SSSR, Moskva. Submitted August 1, 1964.

BOGORODINSKIY, D.K.; RAZORENOVA, R.A.; KHIVOSHEINA, A.N.;
SKOROMETS, A.A.

Syndromes of disorder in the blood circulation of the spinal
cord. Vop. psikh. i nevr. no.9:24-40 '62,

(MIRA 17:1)

1. Kafedra nervnykh bolezney (sav. - prof. D.K. Bogorodinskiy)
1-go Leningradskogo meditsinskogo instituta imeni Pavlova.

BEREZOVSKIY, V.M.; YURKEVICH, A.N.; KRIVOSHEINA, I.K.

Chromatographic and electrophoretic study of the formation
reaction of folic acid and some simple pterins. Zhur.ob.khim.
31 no.8:2782-2786 Ag '61. (MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.
(Folic acid) (Pterins)

KRIVOSHEINA, N. A., Cand Biol Sci -- (diss) "Changes in the
Digestive ^{Apparatus} ~~System~~ of Chickens in Relation to Age and Type of
Feeding." Mos, 1957. 15 pp (Min of Agriculture USSR, Mos
Veterinary Acad), 140 copies (KL, 48-57, 105)

- 18 -

KRIVOSHOYNA, N.A.

USSR/Fern. Animals. Domestic Fowls

-5

Abstr Jour : Ref Zhur - Biol., No 8, 1958, No 35741

Author : Krivoshoyna N.A.

Inst : Not Given

Title : The Change of the Digestive Apparatus of Hens in Connection with the Age and Type of Feeding (Izmeneniye pishcheveritel'nogo apparata kur v svyazi s vozrastom i tipom kormleniya)

Orig Pub : Tr. Mosk. vet. akad., 1957, No 1, 406-422

Abstract : The length and weight of the glandular and muscular parts of the stomach, of the pancreas, and of the cecal appendices were measured. The volume of the muscular part of the stomach was determined. From 3 to 330 days, the growing hens were fed different food rations. When the hens were given the normal potato and beetroot ration, the glandular part of the stomach grew most intensively during the first month of postembryonic development. The maximum growth of the muscular stomach, the small intestine and the cecal appendices, in the maintenance of chickens on any rations, and that of

Card : 1/2

USSR/Fern. Animals. Domestic Fowls

-5

Abstr Jour : Ref Zhur - Biol., No 8, 1958, No 35741

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826610007-1

the pancreas, in normal and potato feeding, was observed during the first month of independent life. The length of the small intestine and of the cecal appendices was diminishing when the chickens were fed potato, molasses, and beetroot. The relative weight of the stomach was decreasing with age.

Card : 2/2

GUSEVA, L.A.; ZDANOVSKAYA, Ya.L.; KRIVOSHEINA, N.A.; KHRUSTALEVA, I.V.;
CHEBOTAREV, I.T.; DREVLYANSKAYA, N.I., red.; PROKOF'YEVA, L.N.,
tekhn. red.

[Manual for laboratory work in the anatomy of farm animals] Po-
sobie k prakticheskim zaniatiyam po anatomii sel'skokhoziaistven-
nykh zhivotnykh. Moskva, Sel'khozizdat, 1962. 170 p.

(MIRA 15:7)

(Veterinary anatomy)

KRIVOSHEINA, N.K., YURKEVITCH, A.M., BTEREZOVSKIY, V.M., (USSR)

Investigation of the Mechanism of Synthesis of Folic Acid and some Simple Pterins.

report presented at the 5th Int'l.
Biochemistry Congress, Moscow, 10-16 Aug. 1961

KRIVOSHEINA, N. K., YURKEVITCH, A. M., BTEREZOVSKIY, V. M., (USSR)

"Investigations in the Area of Synthesizing New
Biologically Active Compounds Related to Vitamin B₂."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow,
10-16 Aug. 1961.

KRIVOSHEINA, N. P.

KRIVOSHEINA, N. P. -- "The Fauna and Biology of the Malanders (Heleidae) of the Omsk Bottom Land." Moscow Order of Lenin and Labor Red Banner State University imeni M. V. Lomonosov, Moscow, 1956. (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis' No 43, October 1956, Moscow

KRIVOSHEINA, N. P.

USSR/Zooparasitology - Mites and Insects as Diseases Vectors.
Insects.

G.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95350

Author : Krivosheina, N. P.

Inst : -

Title : On Leptoconops Porealis Gutz (Diptera, Helicidae) in
Moscow Oblast.

Orig Pub : Zool. zh., 1957, No 9, 1420-1421

Abstract : Bloodsucking culicoidae p. Leptoconops were found in the
bottom land of the Oka River in the Moscow and Ryazan-
skaya Oblasts'. In August, a mass infestation of these
culicoidae was observed on people and horses (daylight
hours).

Card 1/1

KRIVOSHEINA, N.P.

Habitats of the larvae and pupae of midges (Hemiptera).

Vest.Mosk.un.Ser.biol., pochv., geol., geog. 12 no.2:67-73

'57.

(MIRA 10:10)

1.Kafedra entomologii Moskovskogo universiteta.

(Oka Valley--Diptera) (Larvae--Insects)

USSR/Zooparasitology - Mites and Insects as Disease Vectors.
Insects.

G.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95353

Author : Krivosheina, N.P.

Inst : -

Title : Daily Course of Activity of Culicoidae (Culicoides Latr.)
in the Oka Lowlands.

Orig Pub : Med. parazitol. i parazitarn. bolezni, 1957, 26, No 4,
458-463

Abstract : Observations were conducted in Moscow and Ryazanskaya
Oblasts. Culicoidae were gathered by dip net, and, from
people and animals, by test tubes. The basic localities
of mature culicoidae were the crowns of trees and shrub
thickets close to villages and cattle pastures. C. puli-
caris and C. pictipennis predominated, the first predomi-
nantly in villages. In treeless sections, the flight of
females and swarming of the males of C. pulicaris was not

Card 1/2

USSR/Zooparasitology - Mites and Insects as Disease Vectors.
Insects.

G.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95353

observed in the morning. The evening flight lasted 1-2 $\frac{1}{2}$
hours. Both morning and evening flights were observed
among trees. Activity of culicoidae ceases in open areas
with a wind of 0.5 m per second. -- A.V. Gutsevich.

Card 2/2

KRIVOSHEINA, N.P.

Biting midges (Diptera, Heleidae) of the Oka bottomlands [with summary in English]. Ent.oboz. 36 no.2:418-435 '57. (MLRA 10:7)

1. Kafedra entomologii Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

(Oka Valley--Diptera)

USSR/Zooparasitology - Mites and Insects as Disease Vectors.
Insects.

G.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95352

Author : Krivoshchina, N.P.

Inst : -

Title : Some Features of the Spread of Culicoidae (Diptera,
Holecidae) Larvae and Pupae in Reservoirs.

Orig Pub : Zool. zh., 1957, 36, No 7, 1099-1101

Abstract : Culicoides riethi and Beezia nobilis larvae and pupae are
net in various reservoirs, predominantly along the shore-
line or under water at a depth of no more than 30 cm, in
less quantity - in wet soil no further than 15 cm from the
water. The presence of larvae of the last instar above
water stimulates pupation. For the development of pupae,
it is necessary for them to be in contact with air. Matur-
e pupae emerge along the stems of plants and the imaginal
stage usually occurs above the water. -- A.V. Gutsevich.

Card 1/1

- 11 -

USSR/Zooparasitology - Mites and Insects as Disease Vectors.
Insects.

G.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95351

C. nubeculosus and C. ricti in small ponds, C. nubeculosus, C. circumscriptus and C. odibilis in stagnant meadows and brooks in the lowland of the Kishirka River. In addition, the larvae and pupae of 6 genera of non bloodsucking culicoidae were found. -- A.V. Gutsevich.

Card 2/2

~~KRIVOSHEINA, N. P.~~

Leptoconops borealis Gutz (Diptera, Heleidae) in Moscow Province
[with summary in English]. Zool.shur. 36 no.9:1420-1421 S '57.
(MIRA 10:10)

1. Moskovskiy gosudarstvennyy universitet.
(Moscow Province--Diptera)

KRIVOSHEINA, N.P.

Some ecological-morphological types of soil-inhabiting dipteran
larvae. Zhur.ob.biol. 20 no.5:405-408 S-O '59. (MIRA 13:1)

1. Laboratoriya pochvennoy zoologii, Institut morfologii zhivotnykh
im. A.N. Severtsova AN SSSR.

(LARVAE--INSECTS) (SOIL FAUNA) (DIPTERA)

KRIVOSHEINA, N.P.

Characteristics of terricolous dipteran larvae of the families
Rhagionidae, Dolichopodidae, and Empididae (Diptera). Ent. oboz.
39 no.1:144-155 '60. (MIRA 13:6)

1. Laboratoriya pochvennoy zoologii Instituta morfologii zhivot-
nykh imeni A.N. Severtseva AN SSSR, Moskva.
(Flies) (Larvae--Insects) (Soil fauna)

KRIVOSHEINA , Yu.P. (Leningrad)

Surgical treatment of arachnoid endothelioma in the small wing
of the os basilaire. Vop.neirokhir. 25 no.3:38-42 My-Je '61.
(MIRA 14:5)

1. Nauchno-issledovatel'skiy instituta neyrokhirurgii imeni
prof. A.L. Polenova.

(MENINGES--TUMORS)

KRIVOSHEINA, N.P.

Dipteran larvae feeding on earthworms. Zool. zhur. 40 no.5:715-718 '61. (MIRA 14:5)

1. Laboratory of Soil Zoology, Institut of Animal Morphology
U.S.S.R, Academy of Sciences, Moscow.
(Earthworms) (Diptera) (Insects--Food)

KRIVOSHEINA, N.P.

Preimaginal stages of *Leptoconops* (*Holoconops*) *borealis* Gutz. and
systematical position of the group *Leptoconops* (Diptera, Nematocera).
Zool. zhur. 41 no.2:247-251 F '62. (MIRA 15:4)

1. Laboratory of soil Zoology, Institute of Animal Morphology,
U.S.S.R. Academy of Sciences, Moscow.
(Diptera)

KRIVOSHEINA, N. P.; MAMAYEV, B. M.

Larvae of the European species of syrphid flies of the genus
Temnostoma (Diptera, Syrphidae). Ent. oboz. 41 no.4:921-930
'62. (MIRA 16:1)

1. Laboratoriya pochvennoy zoologii Instituta morfologii
zhivotnykh imeni Severtsova AN SSSR, Moskva.

(Syrphus flies) (Larvae—Insects)

KRIVOSHEINA, N.P.

Head structure of the larvae and the natural system of the order
Diptera. Zool. zhur. 43 no.2:193-205 '64. (MIRA 17:6)

1. Institut morfologii zhivotnykh Akademii nauk SSR, Moskva.

MAKAYEV, Boris Mikhaylovich; KRIVOSHEINA, Nina Pavlovna; GILYAROV,
M.S., doktor biol. nauk prof., otv.red.

[Larvae of gall gnats (Diptera, Cecidomyiidae); comparative
morphology, biology, taxonomic tables] Lichinki gallits
(Diptera, Cecidomyiidae); sravnitel'naya morfologiya, bio-
logiya, opredelitel'nye tablitsy. Moskva, Nauka, 1965.
276 p. (MIRA 18:3)

KRIVOSHEINA, N.P.

New data on the systematics of dendrophilous soldier flies
(Diptera, Stratiomyidae) and their larvae. Ent. obozr. 44 no.3:
652-664, '65. (MIRA 18:9)

1. Institut morfologii zhivotnykh imeni A.N.Severtseva AN
SSSR, Moskva.

KRIVONOSHEVA, Yu.P., kand. med. nauk; VOLKOV, A.A., kand. med. nauk

Oligodendrogliomas of cerebral hemispheres; clinical aspects,
surgery and radiotherapy. Vop. neirokhir. no. 12-13, 1985.

(MIRA 18:10)

L. Leningradskiy nauchno-issledovatel'skiy neyrokhirurgicheskiy
institut imeni A.L. Polenova (direktor - prof. V.M. Gerasimov).

KRIVOSHEINA, Yu.P.

Clinical aspects and diagnosis of melanomas of the brain.
Vop. psikh. i nevr. no.9:318-322 '62. (MIRA 17:1)

1. Leningradskiy neyrokhirurgicheskiy institut imeni prof.
A.L. Polenova (dir. - prof. V.M. Ugryumov) i Leningradskiy
gosudarstvennyy ordena Lenina institut usovershenstvovaniya
vrachey imeni S.M. Kirova (rektor - dotsent S.N. Polikarpov).

KRIVOSHEINA, Yu.P.

Clinical aspects and diagnosis of meningioma of the ala parva of the os basillare. Sbor. trud. Len. nauchn. ob-va nevr. i psikh. no.6:40-49 '59. (MIRA 13:12)

1. Iz klinicheskogo otdela (zav. prof. I.S. Babchin) Leningradskogo Neurokhirurgicheskogo instituta imeni A.L. Popenova (direktor-deystvitel'nyy chlen AMN SSSR prof. V.N. Shamov).
(MENINGIOMA)

VOLKOV, A.A.; KACHAYEV, V.L.; KRIVOSHEINA, Yu.P.

Neurological evaluation of the state of patients with brain tumors during the process of treatment with radioactive gold and after it. Zhur. nevr. i psikh. 64 no.11:1626-1630 '64.

(MIRA 18:6)

1. Leningradskiy neyrokhirurgicheskiy institut im. A.L. Polenova (direktor - prof. V.M. Ugryumov) i kafedra neyrokhirurgii (zaveduyushchiy - prof. I.S. Babchin) Leningradskogo instituta usovershenstvovaniya vrachey im. S.M. Kirova.

KRIVOSHEY, A.V., inzh.; KAZAKOV, N.F., doktor tekhn. nauk

Diffusion bonding in a vacuum of certain high-melting metals.
Svar. proizvod. no.7:13-15 JI '64.

(MIRA 18:1)

1. Nauchno-issledovatel'skaya laboratoriya diffuzionnoy svarki
v vakuumе Soveta narodnogo khozyaystva Moskovskogo gorodskogo
ekonomicheskogo rayona.

unpublished work, which is not, in any way,

the result of the work of the Office of the Director of Central Intelligence.

APR 1944/426

2

... Institute of Ferrous Metallurgy ...

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L 1645-66 EPA(s)-2/EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HM

ACCESSION NR: AP5021622

UR/0286/65/000/013/0102/0103
621.791.06

AUTHOR: Kazakov, N. F.; Krivoshey, A. V.; Sudenkov, Ye. G.
44.55 44.55 44.55

TITLE: Method for diffusion bonding of materials in gas atmosphere. Class 49,
No. 172606 44.55, A

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 102-103

TOPIC TAGS: joining, bonding, material bonding, diffusion bonding

ABSTRACT: This Author Certificate introduces a method for diffusion bonding of materials in gas atmosphere. To increase productivity and improve bond quality, the bonding is carried out in an atmosphere which promotes the formation of the bond. For example, bonding of a metal to nitride is done in nitrogen, bonding a metal to carbide is done in hydrocarbon. [AZ]

ASSOCIATION: none

SUBMITTED: 05Mar63

ENCL: 00

SUB CODE: MM

NO REF SOV: 000
Card 1/1 DP

OTHER: 000

ATD PRESS: 4095

L 14460-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b) JD/HM

ACC NR: AP6002967

(N)

SOURCE CODE: UR/0286/65/000/024/0136/0136

INVENTOR: Kazakov, N. F.; Krivoshey, A. V.; Sudenkov, Ye. G.

ORG: none

TITLE: A method for vacuum diffusion welding of metals, Class 49, No. 177259

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 136

TOPIC TAGS: vacuum welding, diffusion welding

ABSTRACT: This Author's Certificate introduces a method for vacuum diffusion welding of metals. The components are individually preheated. Welding time is reduced by heating the components at different temperatures so that the metal is vaporized from the surface of the hotter component and the metal vapor is condensed on the surface of the cooler component.

SUB CODE: 13 SUBM DATE: 07Apr64

PC
Card 1/1

UDC: 621.791.66-982

2

KHIVOSHEV, B.Z.

Evaluation of base flow into the rivers of the territory of
the Kursk Magnetic Anomaly. Trudy GGI no.122:153-162 '65.
(MIRA 18:9)

PUSHEK, B.S., kand. geogr. nauk; POPOV, I.V., kand. geogr. nauk; OBRAZTSOV, I.N., inzh.; FEDOROV, N.N., kand. tekhn. nauk; GRUSHEVSKIY, M.S., kand. tekhn. nauk; KRIVOSHEY, B.Z., inzh.; POPOV, O.V., star. nauchnyy sotr.; PIKOSH, N.V., kand. tekhn. nauk; LEVIN, A.G., kand. tekhn. nauk; ZHIDIKOV, A.P., inzh.; GAVRILOV, A.M., kand. geogr. nauk; KONDRAT'YEV, N.Ye., kand. tekhn. nauk, red.; URYVAYEV, V.A., kand. tekhn. nauk, red.; SHATILINA, M.K., red.; SOLOVEYCHIK, A.A., tekhn. red.

[Investigation of unsteady flow of water in the Tvertsa and Oredesh Rivers] Issledovaniya neustanovivshegosia dvizheniya vody na rekakh Tvertse i Oredesh. Pod red. N.E.Kondrat'eva i V.A.Uryvaeva. Leningrad, Gidrometeor. izd-vo, 1961. 287 p. 6 charts (in pocket)
(MIRA 14:8)

1. Leningrad. Gosudarstvennyy gidrologicheskiy institut.
(Tvertsa River—Hydrology) (Oredesh River—Hydrology)

KRIVOSHEY, D.; DRAGUNOV, V.; TYSHKO, V.; KORENYAK, A., starishiy inzh. po tekhnike bezopasnosti; MOLCHANOV, A., rabochiy syr'yevogo tsekha; POVOLOTSKIY, B.; LOBACHEV, L.; SUKHANOV, A.; ZEMLYACHENKO, I.; KOZLOV, A.; POPENKO, F., inzh. (Moskva); SHAPIRO, A.

Editor's mail. Okhr.truda i sots.strakh. 5 no.8:32-33 Ag '62.

(MIRA 15:7)

1. Glavnyy inzh. shakhty "TSentral'naya", Krivoy Rog (for Kirvoshey).
2. Pomoshchnik glavnogo inzh. po tekhnike bezopasnosti shakhty "TSentral'naya", Krivoy Rog (for Dragunov).
3. Nachal'nik ventilyatsii shakhty "TSentral'naya", Krivoy Rog (for Tyshko).
4. Tomskiy podshipnikovyy zavod 5-GPZ (for Korenyak).
5. Kabluchnaya fabrika, g. Nerekhta (for Molchanov).
6. Predsedatel' zavodskogo komiteta Moskovskogo zavoda zhelezobetonnykh izdeliy No.7 (for Lobachev).
7. Transportnaya kontora tresta "Sterlitamakstroy", g. Sterlitamak (for Sukhanov).
8. Predsedatel' mestnogo komiteta gorodskoy tipografii, g. Michurinsk (for Zemlyachenko).
9. Predsedatel' komissii okhrany truda gorodskogo komiteta professional'nogo soyuza meditsinskikh rabotnikov, g. Yevpatoriya (for Kozlov).
10. Vneshtatnyy tekhnicheskyy inspektor Voronezhskogo oblastnogo soveta professional'nykh soyuzov (for Shapiro).

(Industrial hygiene)

KRIVOSHEY, E.Ye. [Kryvoshei, E.IE.]

Individual fecundity of the prawns *Leander squilla* (L.) and
L. adpersus (Rathke) from some limans on the northwestern shore
of the Black Sea. Nauk.zap.Od.biol.sta. no.2:107-109 '60.

(MIRA 14:11)

(BLACK SEA REGION--DECAPODA)

KRIVOSHEY, I.V.

Principles for calculating the number of isomers in chelate complexes.
Zhur. strukt. khim. 6 no.2:322-323 Mr-Apr '65. (MIRA 18:7)

1. Khar'kovskiy gosudarstvennyy universitet imeni Gor'kogo.

KR. VOJNEY, M. I.

A scheme for the flattening of a wave produced by the release of water from a reservoir. Trudy GGI no. 121:46-51 '65.

Summary of laboratory studies of the unsteady flow of water in open channels. Ibid.: 64-75 (MIRA 18:8)

SOURCE CODE: UR/0413/66/000/019/0109/0109

ACC NR: AP6035746

(A)

INVENTORS: Balandin, M. P.; Volosatov, A. K.; Antonenko, I. Ya.; Bushteto, P. P.;
Zhirnov, A. I.; Ivanov, Yu. V.; Kruglyakov, M. L.; Mordukhovich, A. I.; Popov, Y.
K.; Smetnev, S. D.; Fanfaroni, F. I.; Shcherbakov, A. M.; Krivoshey, M. N.

ORG: none

TITLE: A device for broadcasting pesticides and meliorating substances. Class 45,
No. 166787 [announced by All-Union Scientific Research Institute for Mechanisation of
Agriculture (Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo
khozyaystva)]

SOURCE: Izobreteniya, promyshlennyye obrasty, tovarnyye znaki, no. 19, 1966, 109

TOPIC TAGS: agricultural machinery, agricultural engineering, broadcasting operation,
pesticide, fertilizer

ABSTRACT: This Author Certificate presents a device for broadcasting pesticides and
meliorating substances. The device contains a tank divided into sections, broadcasting
mechanisms, receiving chambers of the fertilizer duct, and a driving mechanism. To
provide for a uniform broadcasting of a material, the broadcasting mechanisms are
made in the shape of cones mounted on a common shaft carrying a spiral with the
opposite direction of coil loops. Every revolving cone may be spring loaded and may

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be contained, together with a receiving chamber, in a common casing.

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Card 2/2

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